

ABSTRACT OF THE DISCLOSURE

A method for providing a centering check for a rotating body mounted on a wheel balancer based on measuring at least one imbalance parameter and for determining weight display thresholds for static and dynamic imbalance correction weights which vary with parameters of the wheel and/or tire. The rotating body is mounted on a spindle of the wheel balancer and an imbalance parameter or runout measurement taken. The mounting of the rotating body on the spindle is then altered, and a second measurement of the imbalance parameter or runout is taken. A processor in the wheel balancer determines if the difference between the first and second measurements exceeds a predetermined threshold value, indicative of off-center mounting of the rotating body on the spindle. Upon centered mounting of the rotating body, imbalance measurements are acquired, and required correction weights are displayed to an operator if they exceed an identified imbalance threshold level.